

Figure 1

Amino Acid Sequence of EP01 (SEQ ID NO:1)

F G K R E Q A E E E R Y F R A Q S R E Q L A A L

The underlined section of the peptide corresponds to motif JJZX_aZ_bJX_cJXJXJXZ

Amino Acid Sequence of EP02 (SEQ ID NO:4)

G M D E L S E E D K L T V S R A R K I Q R F

The underlined section of the peptide corresponds to motif ZZZJXXXXJXJJXXJ

Amino Acid Sequence of EP03 (SEQ ID NO:7)

S L Q D I I A I L G M D E L S E E D K L T C

The underlined section of the peptide corresponds to motif ZZZJXXX

Figure 2

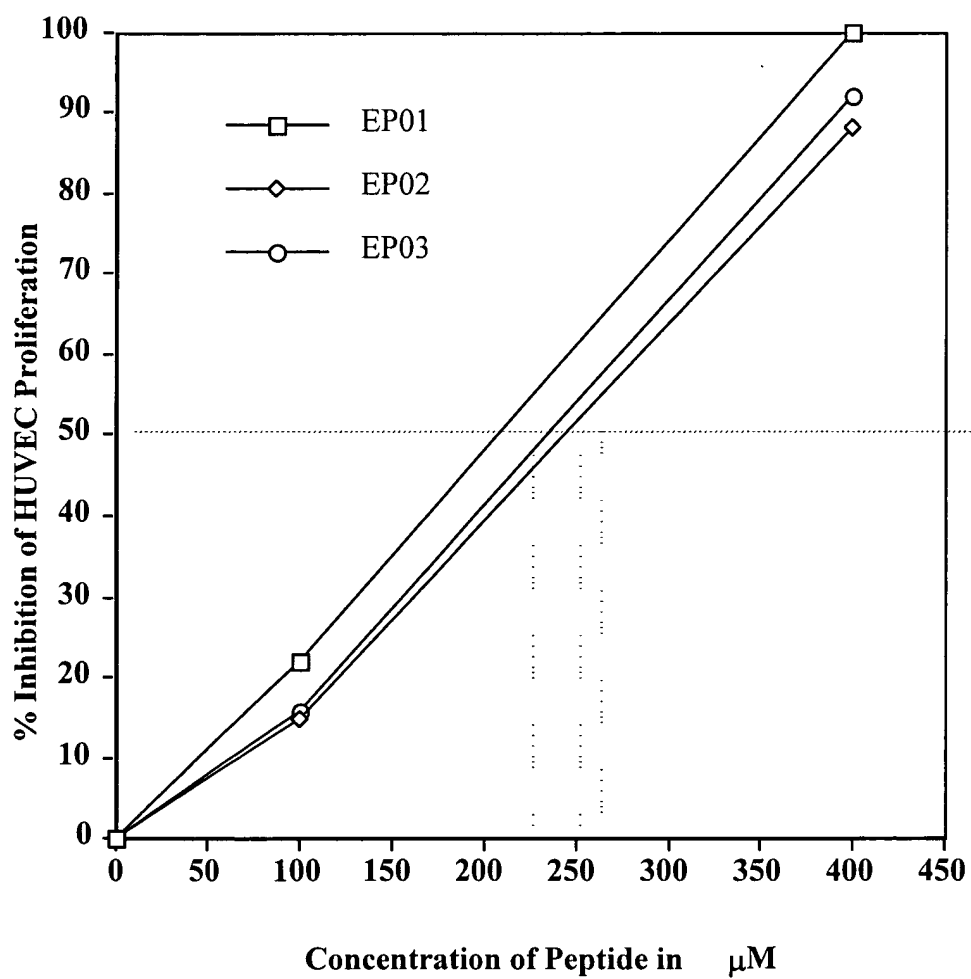


Figure 3A

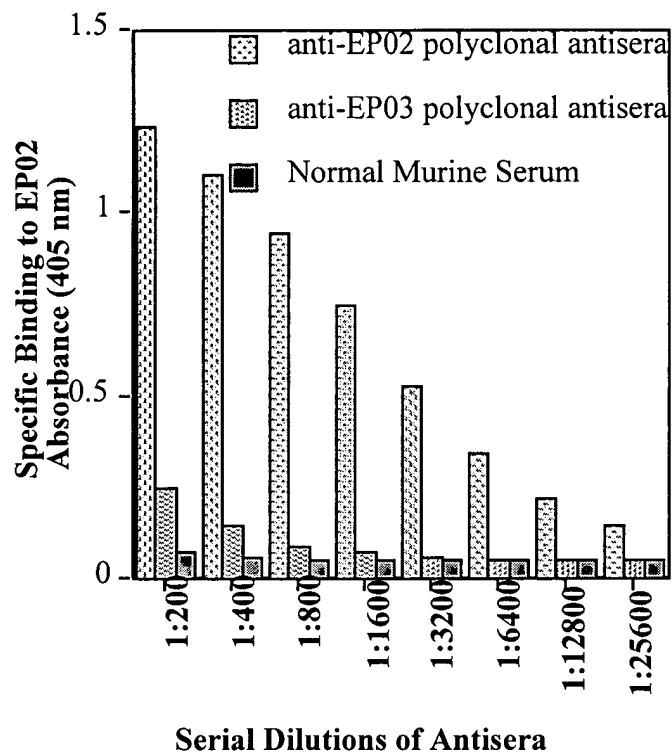


Figure 3B

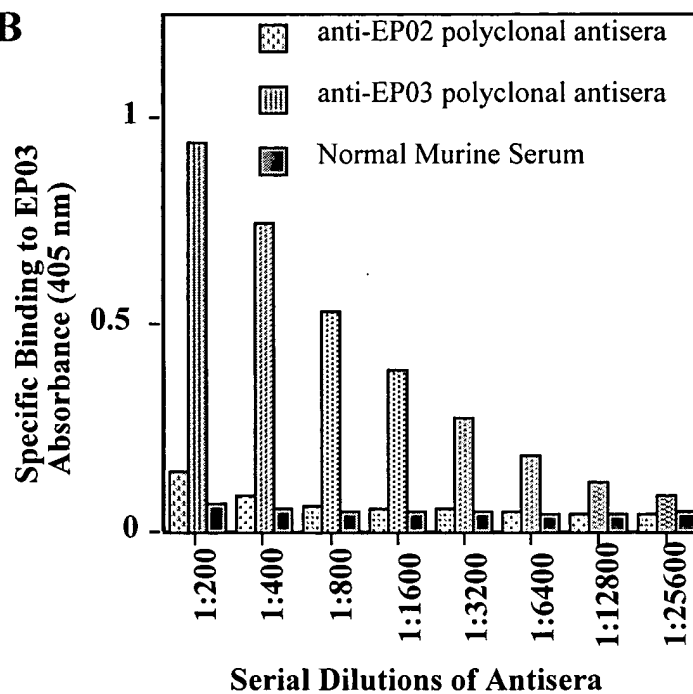


Figure 4

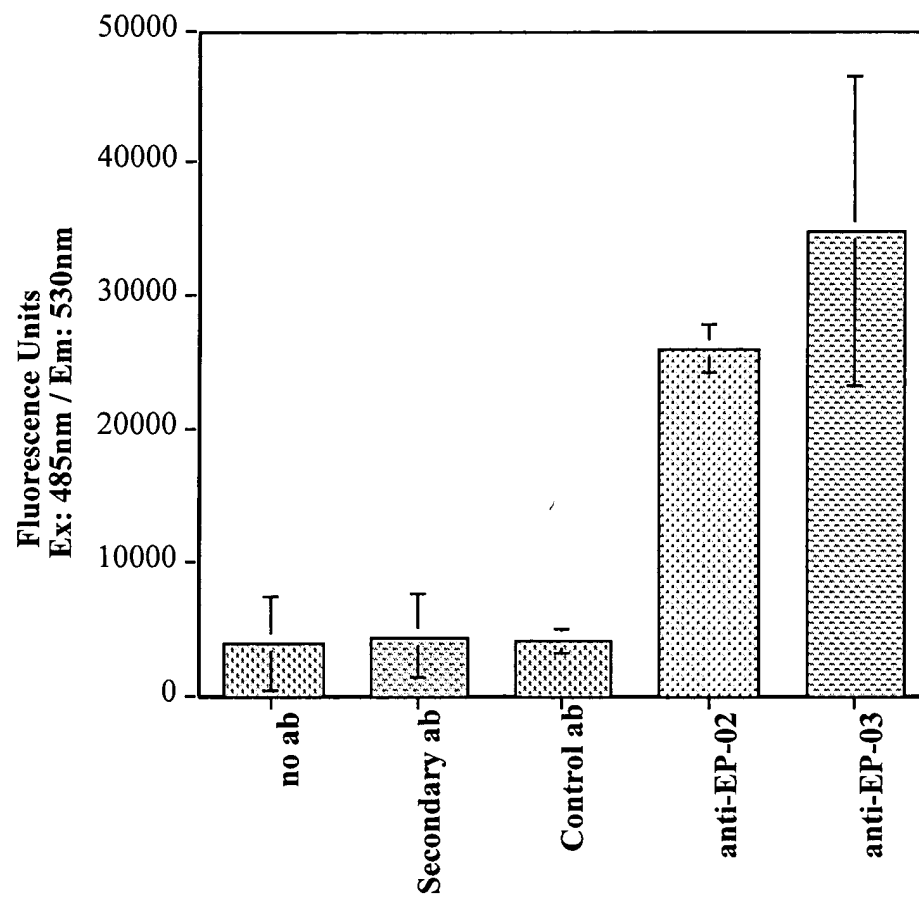


Figure 5

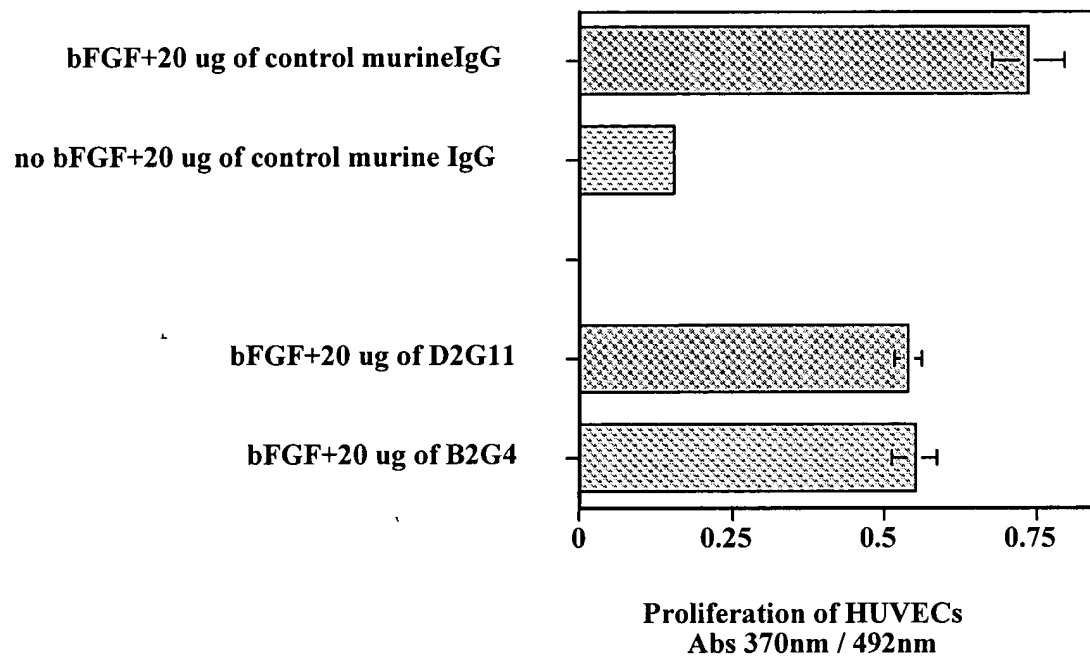


Figure 6

DNA Sequence for V_H (SEQ ID NO:8)

GAGGTGAASGTGGTGAATCTGGGGGAGGCTTAGTGAAGCCTGGAGGGTCCCTGAAACT
CTCCTGTGCAGCCTCTGGATTCACTTTCAGTAGCTATGCCATGTCTTGGGTTCGCCAGA
CTCCAGAGAAGAGGCTGGAGTGGGTTCGCATCCATTAGTAGTGGTGGTAGCACCTACTAT
CCAGACAGTGTGAAGGGCCGATTACCATCTCCAGAGATAATGCCAGGAACATCCTGTA
CCTGCAAATGAGCAGTCTGAGGTCTGAGGACACGGCCATGTATTACTGTGCAAGAGGCC
TACCATTTGCTTACTGGGGCCAAGGACTCTGGTCACTGTCTCTGCAGAGAGTCAGTCC
TTCCCAAATGTC

Amino Acid Sequence for V_H (SEQ ID NO:20)

10	20	30	40	50
EVXVVESGGG	LVKPGGSLKL	SCAASGFTFS	<u>SYAMSWVRQT</u>	PEKRLEWVAS
60	70	80	90	100
<u>ISSGGSTYYP</u>	<u>DSVKGRFTIS</u>	RDNARNILYL	QMSSLRSED	AMYYCARGLP
110	122			
<u>FAYWGQGLV</u>	TVSAESQSFP	NV		

Figure 7

DNA Sequence for V_L (SEQ ID NO:9)

GATATTGTGATgACaCAATCTACAGCTTCCTTAGCTGTATCTCTGGGGCAGAGGGCCAC
CATCTCATGCAGGGCCAGCCAAAGTGTCAGTACATCTAGCTATAGTTATATGCACTGGT
ACCAACAGAAACCAGGACAGCCACCCAACTCCTCATCAAGTATGCATCCAACCTAGAA
TCTGGGGTCCCTGCCAGGTTTCAGTGGCAGTGGGTCTGGGACAGACTTCACCCTCAACAT
CCATCCTGTGGAGGAGGAGGATACTGCAACATATTACTGTCAGCACAGTTGGGAGATTC
CGCTCACGTTTCGGTGCTGGGACCAAGCTGGAGCTGAAACGGGCTGATGCTGCACCAACT
GTATCC

Amino Acid Sequence for V_L (SEQ ID NO:21)

10	20	30	40	50
DIVMTQSTAS	LAVSLGQRAT	ISCRASQSVS	TSSYSYMHWY	QQKPGQPPKL
60	70	80	90	100
LIKYASNLES	GVPARFSGSG	SGTDFTLNIH	PVEEEDTATY	YCQHSWEIPL
110	120			
TFGAGTKLEL	KRADAAPTVS			